



User's manual

C1 & C8



E-tricycle user's manual

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Descriptions and photos contained in the Maintenance Manual are for reference only. They may differ from the products.

Before using our product, please read this manual carefully and correctly realize the basic operation function and method. Technical specifications, performance parameters as well as maintenance and adjustment data in the Manual are determined as per the latest situations, which may become out-of-date as future modifications are made to the product. Please understand that we will not give any notification in this case and we will not take any consequent responsibility. Copyright of any part of the Manual is the property of E-Bikes from Sweden. Any unit and individual may not reproduce any part of the Manual without written consent of E-Bikes from Sweden. Any suggestion or advice as for the design, manufacturing, quality, etc. of the e-tricycle will be welcomed for timely improvement.

In any case want to further understanding our product, please contact local service center or Service hot line, we will provide you top quality and efficient service.



Before using our product, please read this manual carefully

danger

1. Strictly abide by the traffic laws and keep safe driving.
2. To keep safe, forbid driving after consume alcohol or any drugs.
3. Forbid take to any competition, we will not take any responsibility due to the competition caused mechanical accident and personal injury.
4. Forbid cardiopath, deaf-mute, disable and people have or ever had mental disease to drive this vehicle.

attention

1. The maximum loading capability is 250kg.
2. Do not introduce any unauthorized modification on the vehicle that will affect reliability, stability, and comfort performance.
3. To avoid battery damage, full charge the battery at one time, do not put upside down during charging, do not use high pressure water wash this vehicle in case any damage on electric component which will increase the accident risk

warning

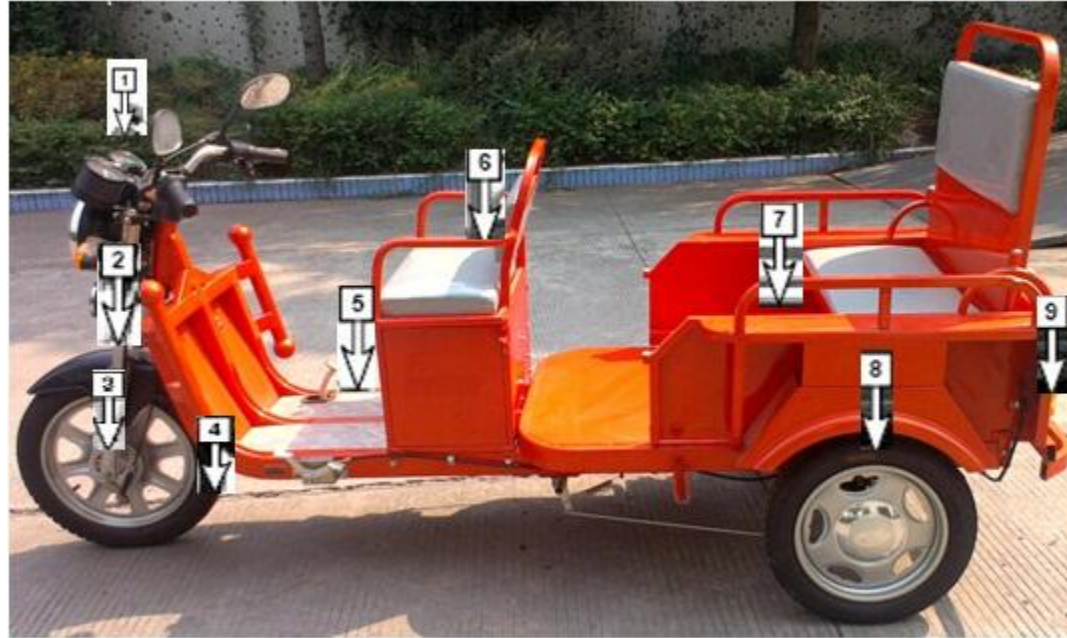
1. Wearing protection equipment like helmet, glasses, glove etc.
2. Forbid hanging things on the handlebar which will affect driving safety.
3. Please choose our original adapted charger, otherwise may damage battery.
4. Forbid wearing loose clothes or babooshes which easy to hook on the pedals.

suggestion

1. This manual is one of a must-have, you should attach it when you resell this vehicle to others.
2. Full charge the battery to avoid damage in case of you will not use this vehicle for a long time.
3. Do not lend this vehicle to who are not know how to operation.



- 1.instrument
- 2.Front shock absorber
- 3.Front brake
- 4.Front wheel
- 5.Parking brake pedal
- 6.Seat
- 7.Cargo box
- 8.Rear left wheel
- 9.Tail lamp

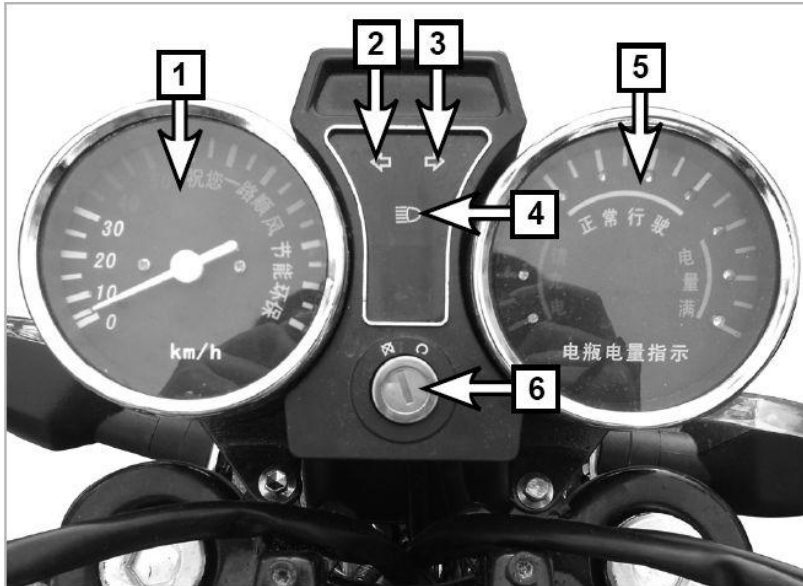


■ we are not mention all category due to a continuous improvement



Instrument

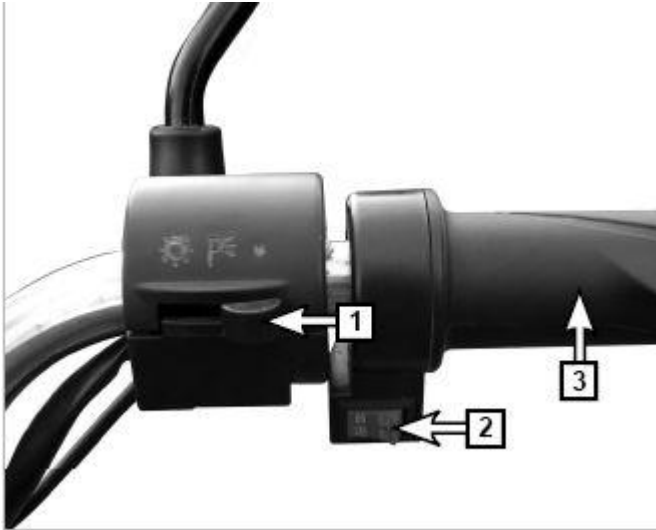
Function of instrument indicated as below:



items	Function description
1.Speed meter	Display the vehicle speed
2.Left turn signal	When the left turn signal light open, the"↶" flashing
3.Right turn signal	When the right turn signal light open, the"↷" flashing
4.High beam signal	When the high beam open, the"≡"light
5.electricity meter	Display the current electric energy, when the red light flashing means energy quite low need recharge asap
6.Ignition lock	When the key turn to"⌚", circuit open to be start up, the key can't took out. When the key turn to"⊗", circuit close not able to be start up, the key is free to take out

Right switch assembly

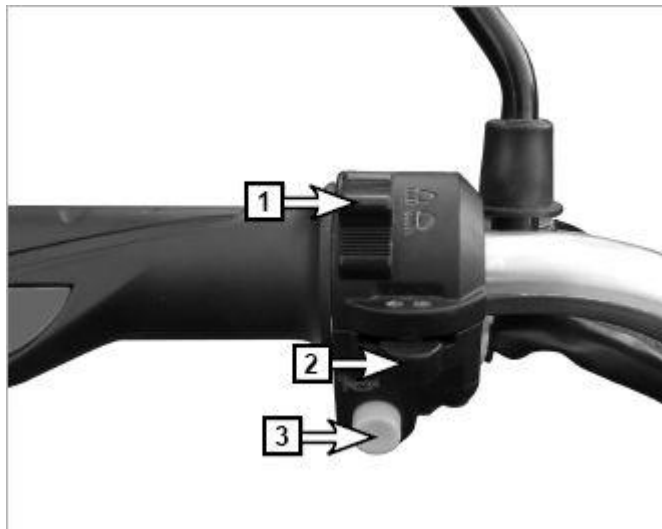
Function of Right switch indicated as below:



items	Function description
1.Lights switch	Switch to "☀️", the front light circuit open. Switch to "P" ,the instrument backlight, tail lamp, position light circuit open. Switch to "●" ,the lighting system close
2.Reversing light	Switch to left to be move forward, switch to right to be move reverse
3.Acceleration grip	Control the speed of vehicle

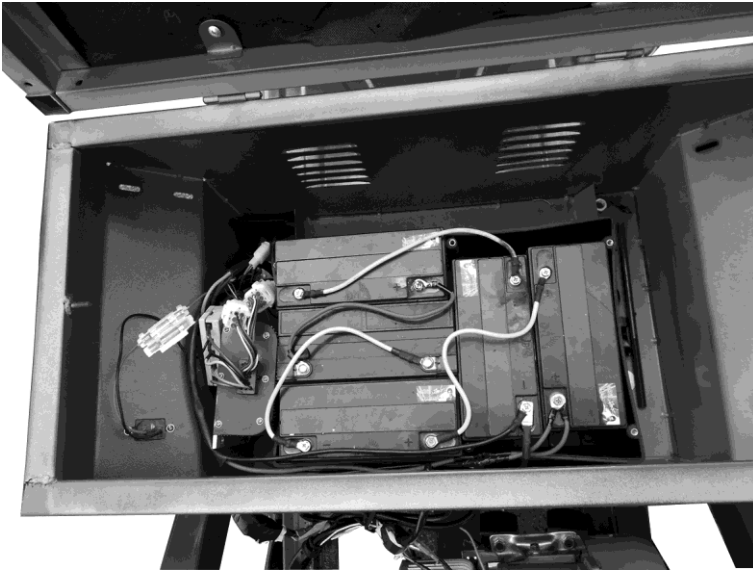
Left switch assembly

Function of Left switch indicated as below:



items	Function description
1.dimmer switch	When you need high beam, switch to "☰", When you need low beam, switch to "☷".
2.turn light switch	When you change the driving direction, witch to "↶" the left turn light turn on, witch to "↷" the right turn light turn on
3.Horn button	When you need sound horn, press "🔊" button.

Charger and battery



Charge the battery

first we'll connect the output plug of the charger to the input plug seat, then put the input plug of the charger to the power socket. you will find a red light on the charger is turned on that means it is charging, after 7 to 8 hours, the green light will turn on to indicate it is fully charged, you may keep charging for 1 to 2 hours to finish. To finish charging, first you should shut down the charger power then take off the plug from the battery input plug seat. choose our original charger or appointed charger.



Charger and battery

Attention:

- 1.The rated voltage and current must match with the charger during charging, and the pole of the plugs and plug seat must stay the same, otherwise will damage the battery.
- 2.Make sure the charger away of water and humidity, store and use in dry environment, handled with care.
- 3.Do not put battery in a closed container, do not close to blazing fire, do not throw to fire and water, do not direct expose to solarization.
- 4.Must replace the battery when the case broke or found leakage.
- 5.The ambient temp should keep within 10°C~30°C and keep well-ventilated during charging, high temp will affect the charge efficiency, even caused salinization of solution and then damage the battery.
6. When failure happen, must let the specialized persons to handle.
- 7.Do not throw waste battery to fire and water, callback following local laws and regulations.

Warning:

- 1.Forbid touching or opening the charger due to a high voltage current to avoid electric shock.
- 2.During charging, the charger will emit heat, to avoid fire disaster or explosion and lead personal injury, keep charging at well-ventilated position, do not close to inflammable and explosive like carpet, wooden floor etc.
- 3.At the case of the indication light do not change the color(to green) more than 8 hours, keep indicating red, stop charging immediately and take to service department to inspect.



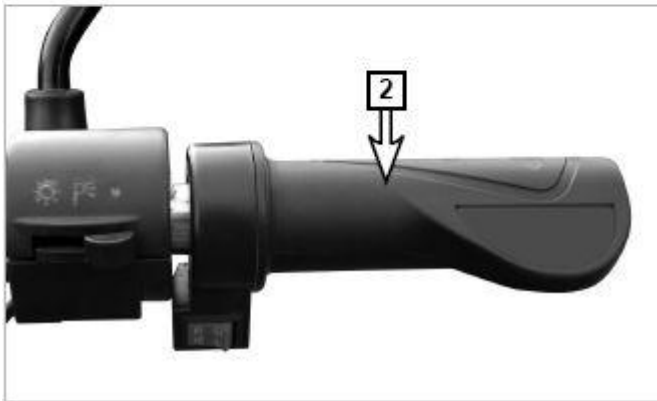
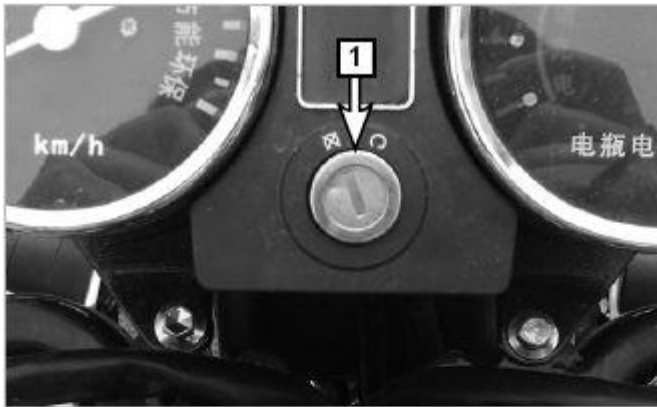
check-up before use

Check-up according the below items to ensure drive safety

No.	items	Check-up content
1	battery	whether the battery have enough power
2	Transmission device	Whether the propulsion motor and controller is work properly
3	lubrication oil	Whether the lubrication oil go bad; whether the volume is enough
4	brake pedal	whether the drop and engage are normal
5	shock absorber	whether the suspension is work properly
6	Acceleration grip	check the flexibility of acceleration grip
7	steering mechanism	Check the flexibility and stability of steering mechanism
8	tyre / wheel	Check the pressure and wearing situation
9	lighting and signal indication	Check all lighting lamp, signal light and indicating lighting, whether they are work properly
10	brake	Check the wearing of the brake shoe, whether the brake performance are good
11	Standard fasteners	Whether have any loose or fall off



Driving operation



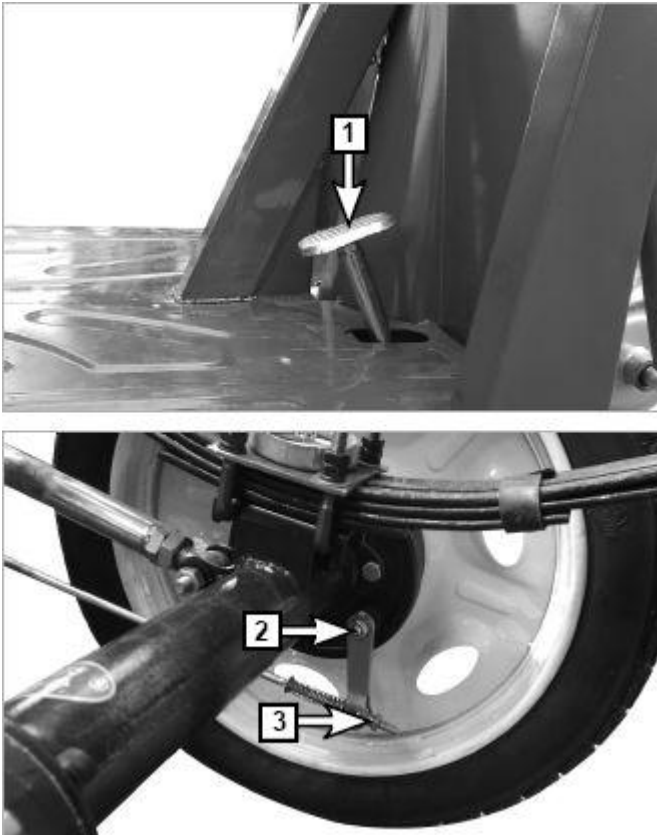
items	instructions
1. Ignition lock (open)	When the key turn to "  ", circuit open to be start up
2. Acceleration grip	Lightly Turn the grip to rear side (anticlockwise), the speed smoothly change from 0~20km/h

When arrive at the destination, park the vehicle to a flat place, turn the key to "  ',take off key, draw back parking brake pedal, lock the vehicle to keep safety

warning

In the situation of "motor overspeed", use left hand grasp the brake pedal to stop the vehicle immediately and use right hand to shut down power, took off the key, push the vehicle to the service department to inspect

rear brake



Rear brake adopt drum brake, stable brake performance, safe and reliable. maintenance of drum brake should follow the below procedure:

- 1.Check the free stroke of rear brake pedal ,ensure the free stroke within the standard value
- 2.When found the return of pedal not well or interference with others, disassemble the rear brake machanism to inspect and add lubrication oil
- 3.Release the tight nut of connecting rod, adjust the nut to rear direction until the free stroke of pedal reach the standard scope, then press the pedal for a few times and check the rear whether it can be rotating freely.

Standard scope of rear brake pedal:20mm~30mm

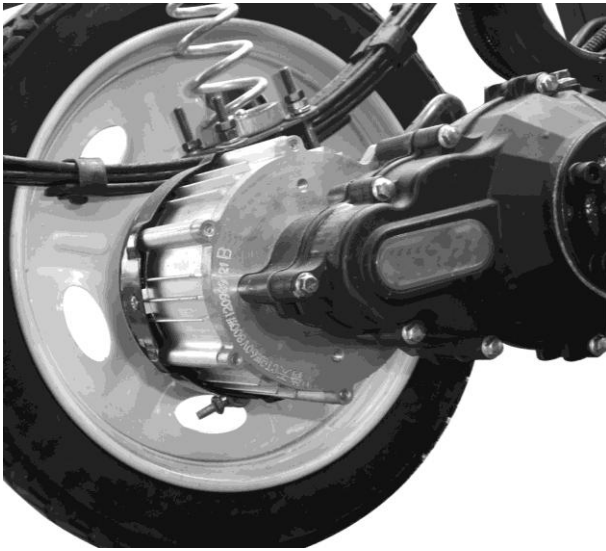
attention

- 1.Must verify the free scope of rear brake pedal after reassemble the rear wheel.
- 2.Choose our original parts when you need change the brake shoe.
- 3.Maintenance in our service department termly



propulsion motor

This vehicle adopt DC brushless motor, provide strong climbing capability, high speed, low driving current, long range, good slide effect



1. Water go into the motor will decrease the insulation, in that case, disassemble the motor and leak the water, then use blower or solarization to dry it, after this check the resistance and repeat the operation to check the sensor, replace it when found damage.
2. Must ensure the battery have enough power, otherwise, will affect the consecutive running range and driving power of motor.

attention

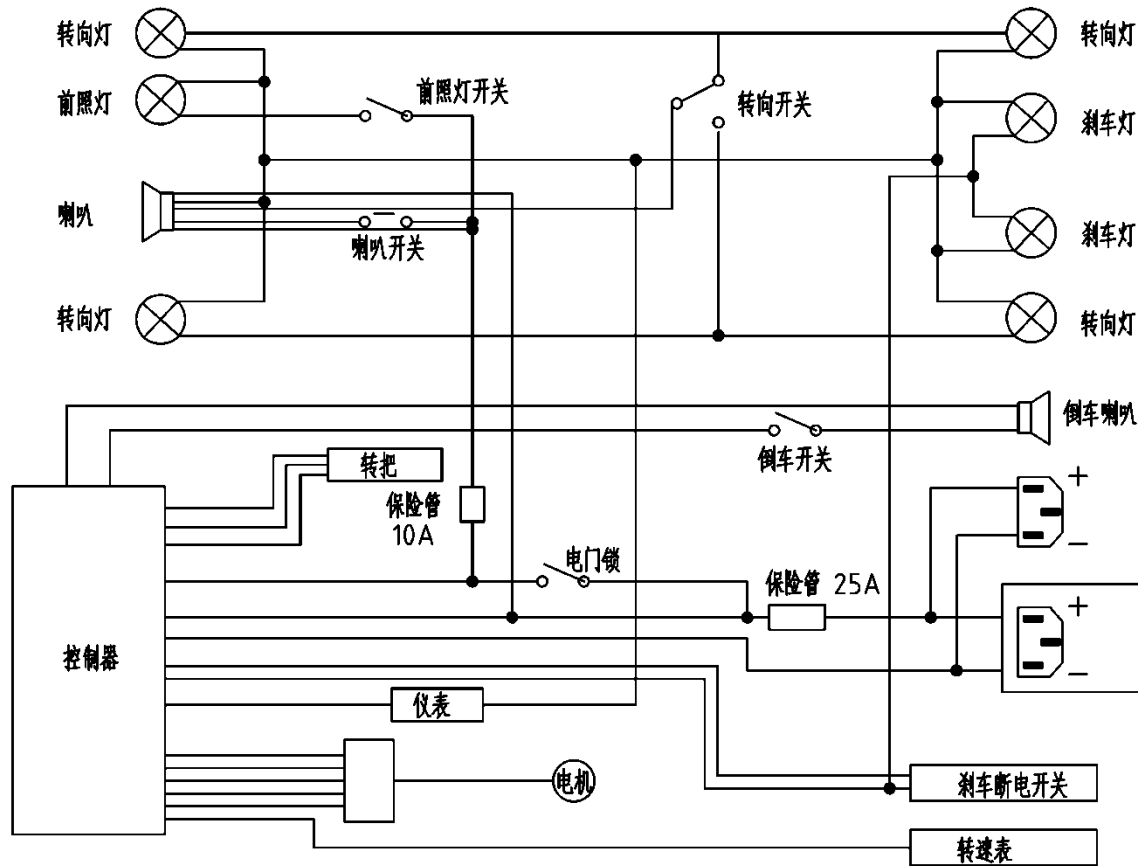
Low speed brush motor and high speed brush motor can not exchange directly
Low speed brushless motor and high speed brushless motor can not exchange directly



NO.	Failure	reason	Remove method
1	Acceleration grip out of order or can't reach the Max. speed	Battery voltage below level, wire loose inside the grip, spring inside the grip is stucked or not work	Recharge the battery, welding the wire, clean or replace the grip
2	Motor not work when power on	Battery voltage below level, wire loose inside the grip, connecting plug of motor have loose or damaged	welding the wire, look for professional of service department to repair
3	consecutive running range below level	Tyre pressure is not enough, not full charged or charger fault, too much upslope, large adverse wind, frequently brake, loading too much, battery ageing or damaged	Full charge battery, check the connecting plug, replace battery
4	Charger can not work	the charger has no power input or plug not well connected with plug seat, the fuse of charger or battery box has burn ,connecting wire of battery loose	Fix plug and plug seat, replace fuse, welding connecting wire
5	others	internal breakdown of motor, controller, charger, battery	look for professional of service department to repair, do not open it by yourself, otherwise will lose our quality guarantee



electrical schematic diagram



technical specification and performance parameter

项目		500W	650W	800W
Dimension (mm)		2830×950×1050	2830×950×1050	2830×950×1050
Ground Clearance (mm)		125	125	125
Curb Weight (kg)		180	180	180
Load Capacity (kg)		200	200	250
Energy Consumption per 100KM(kw.h)		1.5	1.5	1.5
Max. Speed (km/h)		≤40	≤40	≤40
Max Climbing Capacity(°)		≥8	≥8	≥8
Range (km)		≥ 40	≥ 40	≥ 40
Max. Driving Noise (db A)		≤65	≤65	≤65
battery	Capability (Ah)	20	20	20
	Rated voltage (v)	60	60	60
Motor	type	Brushless DC Differential motor	Brushless DC Differential motor	Brushless DC Differential motor
	Rated voltage (v)	60	60	60
	Rated consecutive power output	500W	650W	800W
	gear-box & Gearshift	Available (optional)	Available (optional)	Available (optional)
	Under Voltage Protection (V)	52	52	52
	Over Current Protection (A)	45	45	45
	Blockage Protection	Available	Available	Available
	Brake Mod	low-level logic	low-level logic	low-level logic
	Reverse Function	Available	Available	Available



technical specification and performance parameter

项目		1000W	1500W	2000W
Dimension (mm)		2830×950×1050	3110×1100×1250	3110×1100×1250
Ground Clearance (mm)		125	130	130
Curb Weight (kg)		180	400	430
Load Capacity (kg)		250	400	500
Energy Consumption per 100KM(kw.h)		1.5	2	2.5
Max. Speed (km/h)		≤40	≤40	≤40
Max Climbing Capacity(°)		≥8	≥12	≥15
Range (km)		≥ 40	≥ 40	≥ 40
Max. Driving Noise (db A)		≤65	≤65	≤65
battery	Capability (Ah)	20	120(optional)	120(optional)
	Rated voltage (v)	60	60	60
Motor	type	Brushless DC Differential motor	Brush DC Differential motor	Brush DC Differential motor
	Rated voltage (v)	60	60	60
	Rated consecutive power output	1000W	1500W	2000W
	gear-box & Gearshift	Available (optional)	N.A	N.A
	Under Voltage Protection (V)	52	N.A	N.A
	Over Current Protection (A)	45	N.A	N.A
	Blockage Protection	Available	N.A	N.A
	Brake Mod	low-level logic	low-level logic	low-level logic
	Reverse Function	Available	Available	Available

